

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2192690
<b>Application Number:</b>	10647163
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1606
<b>Title of Invention:</b>	Low complexity channel estimation for orthogonal frequency division modulation systems
<b>First Named Inventor/Applicant Name:</b>	Hui-Ling Lou
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<b>Filer:</b>	Christina Jordan/Mae Pattison
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<b>Application Type:</b>	Utility under 35 USC 111(a)

### **Payment information:**

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### **File Listing:**

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)				
1		13361_048001_Amendment.pdf	790496 671842b28794b451f07d299a5c77c4c4 1141a508	yes	30				
<b>Multipart Description/PDF files in .zip description</b>									
<b>Document Description</b>		<b>Start</b>		<b>End</b>					
Amendment - After Non-Final Rejection		1		2					
Claims		3		19					
Applicant Arguments/Remarks Made in an Amendment		20		30					
<b>Warnings:</b>									
<b>Information:</b>									
2	Drawings	13361_048001_Replacement_Drawings.pdf	1733487 1a7c8b460f26dc4c890da2a1d2391452 38fc219a	no	4				
<b>Warnings:</b>									
<b>Information:</b>									
3	Miscellaneous Incoming Letter	13361_048001_Statement_of_Substitute_Specification.pdf	19671 a60bdb72d49f9ea14fd0b49ee5d4ae63 dec90f3b	no	1				
<b>Warnings:</b>									
<b>Information:</b>									
4		13361_048001_Substitute_Specification.pdf	783704 df92943b8202d4a5fde22beaf2747522 73bc7a5	yes	36				
<b>Multipart Description/PDF files in .zip description</b>									
<b>Document Description</b>		<b>Start</b>		<b>End</b>					
Specification		1		18					
Claims		19		35					
Abstract		36		36					
<b>Warnings:</b>									
<b>Information:</b>									
5		13361_048001_Marked_Up_Application.pdf	830498 44b8f5cb9ac97bb9825211d3c14a374a 3172cfde	yes	36				
<b>Multipart Description/PDF files in .zip description</b>									
<b>Document Description</b>		<b>Start</b>		<b>End</b>					

	Specification	1	18
	Claims	19	35
	Abstract	36	36

**Warnings:**

**Information:**

Total Files Size (in bytes):	4157856
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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.